

**COWLITZ, KALAMA, LEWIS ADULT SPRING CHINOOK
2019 FORECASTS AND RETURNS, AND
2020 RUN FORECASTS**

| River | 2019 Tributary Forecast | 2019 Tributary Return | 2020 Columbia River Forecast | 2020 Tributary Forecast |
|---------|-------------------------------|-----------------------------|------------------------------------|----------------------------|
| Cowlitz | 1,300 | 1,600 | 1,440 | 1,400 |
| Kalama | 1,400 | 1,000 | 1,030 | 1,000 |
| Lewis | 1,500 | 1,000 | 1,370 | 1,300 |
| Total | 4,200 | 3,600 | 3,840 | 3,700 |

*Tributary forecasts and returns are to the tributary mouths; Columbia River forecast is to the Columbia River mouth.

- The 2020 spring Chinook forecast for the Cowlitz River is the second lowest since 1980.
- The 2020 spring Chinook forecast for the Kalama River is about half of the recent 10-year average runsize of 1,900.
- The 2020 spring Chinook forecast for Lewis River is about 75% of the recent 10-year average runsize of 1,700.
- Ocean conditions between 2015 and 2018 were among the worst observed during the last 20 years and have likely had a strong influence on the Spring Chinook cohorts that will return to these tributaries in 2020. For more information on historical ocean conditions, refer to <https://www.nwfsc.noaa.gov/research/divisions/fe/estuarine/oeip/g-forecast.cfm#Table1>.

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Region 5- Ridgefield
Washington Department of Fish and Wildlife